



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/688,753	10/17/2003	Kelly J. Reasoner	10012665-4	1979
<p>7590 04/16/2007 HEWLETT-PACKARD COMPANY Intellectual Property Administration P. O. Box 272400 Fort Collins, CO 80527-2400</p>			EXAMINER DINH, TAN X	
			ART UNIT 2627	PAPER NUMBER
SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE		
3 MONTHS	04/16/2007	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No.	Applicant(s)	
	10/688,753	REASONER ET AL.	
	Examiner	Art Unit	
	TAN X. DINH	2627	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 26 February 2007.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) _____ is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-9 and 21-24 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date: _____
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)	5) <input type="checkbox"/> Notice of Informal Patent Application
Paper No(s)/Mail Date: _____	6) <input type="checkbox"/> Other: _____

Art Unit: 2627

1) The amendment filed 1/29/2007 is acknowledged. Claims 10-20 have been canceled.

2) The indicated allowability of claims 1-9 and 21-24 is withdrawn in view of the newly discovered reference(s) to COFFIN et al (US 6,618,348). Rejections based on the newly cited reference(s) follow.

3) The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

4) (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5) Claims 1-9 and 21-24 are rejected under 35 U.S.C. 102(e) as being anticipated by COFFIN et al (6,618,348).

The applied reference has a common assignee with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this

Art Unit: 2627

application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

COFFIN et al discloses a method for detecting a data cartridge in a cartridge engaging assembly as claimed in claim 1, comprising the step of:

emitting a signal from a signal emitter on the cartridge engaging assembly into a chamber formed within the cartridge engaging assembly (Fig.5, emitter 50);

detecting at least a portion of said emitted signal when said emitted signal is reflected from the data cartridge (Fig.5, detector 52);

generating output to indicate whether said data cartridge is present in said cartridge engaging assembly based on said emitted signal that is reflected from the data cartridge (Fig.5, the output from detector 52 indicates the present of cartridge 14); and

identifying a type of said data cartridge present in said cartridge engaging assembly based on said emitted signal that is reflected from the data cartridge (column 1, lines 5-10).

As to claims 2 and 3, the COFFIN et al's cartridge detector is capable of emitting the signal during start-up or power-up processes.

Art Unit: 2627

As to claims 4 and 5, to focus the signal and deciphering a color are inherently in COFFIN et al's cartridge detector (the detecting system is based on detecting the reflected light from a bar code).

Claims 6 and 7 are rejected with the same reasons set forth in claim 1 above.

As to claims 8 and 9, COFFIN et al shows a light source and light detector (Fig.5, 50 and 52).

As to claims 21 and 22, the COFFIN et al's cartridge detector is capable of moving the cartridge engaging assembly between first and second positions in response to the generated output indicating that the data cartridge is present in the cartridge engaging assembly (see figure 5).

As to claim 23, a computer board is inherent in every circuit board including COFFIN et al's cartridge detector assembly.

Claim 6 is rejected with the same reason set forth in claims 4 and 5 above.

6) Applicant's arguments with respect to claims 1-25 have been considered but are moot in view of the new ground(s) of rejection.

7) Any inquiry concerning this communication or earlier communications from the examiner should be directed to TAN XUAN

Art Unit: 2627

DINH whose telephone number is (571)272-7586. The examiner can normally be reached on MONDAY to FRIDAY from 9:00AM to 5:00PM.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov/>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



TAN DINH
PRIMARY EXAMINER
April 11, 2007